M. J. EICH.

Drive-Well Point-Filter.

No. 203,900. Patented May 21, 1878.

Fig. 1.

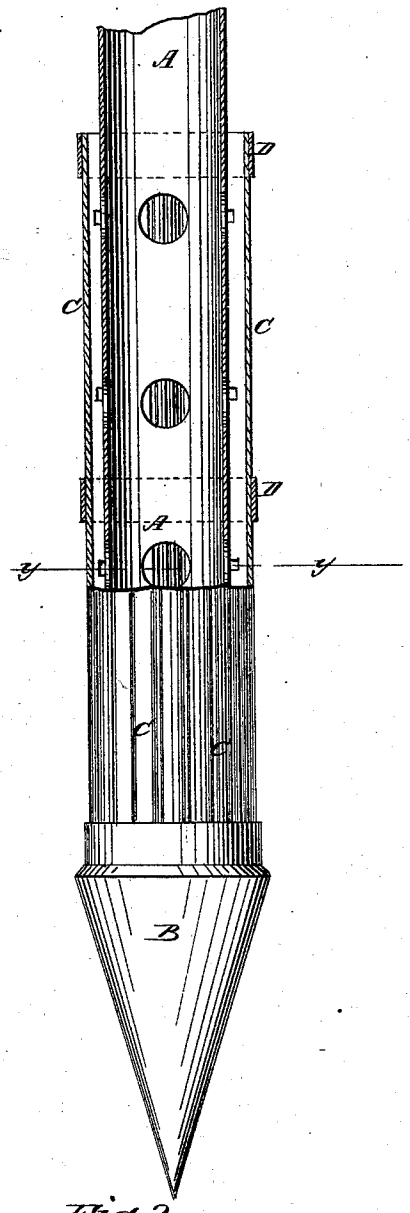
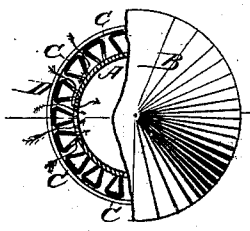


Fig. 2



WITNESSES:

Francis McArdle,

C. Sedgwick

INVENTOR:

M. J. Eich

BY Munn & Co

ATTORNEYS.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

MARTIN J. EICH, OF PLYMOUTH, INDIANA.

IMPROVEMENT IN DRIVE-WELL-POINT FILTERS.

Specification forming part of Letters Patent No. **203,900**, dated May 21, 1878; application filed March 18, 1878.

To all whom it may concern:

Be it known that I, MARTIN JOSEPH EICH, of Plymouth, in the county of Marshall and State of Indiana, have invented a new and useful Improvement in Drive-Well-Point Filters, of which the following is a specification:

Figure 1 is a side view of a drive-well point to which my improvement has been applied, partly in section through the line *x x*, Fig. 2, to show the construction. Fig. 2 is an end view of the same, partly in section through the line *y y*, Fig. 1, to show the construction.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved filter for drive-well points, which shall be so constructed as not to interfere with or be injured by driving and turning the points, and which shall be simple in construction, convenient in use, and effective in operation.

The invention consists in the plates bent longitudinally into triangular form, placed side by side, and having their edges notched and soldered to the perforated tube, in combination with the said perforated tube and with the point, as hereinafter fully described.

A represents the tube, to the lower end of which is attached the point B. The lower part of the tube A is surrounded by a series of narrow plates, C, which are bent longitudinally into triangular form, and the edges of which are soldered to the tube A.

The triangular plates C are placed with their side angles close to each other, so as to keep out the sand while allowing the water to pass in between them.

The edges of the plates C are notched to allow the water to circulate freely all around the tube A, and the part of the said tube A covered with the plates C has a number of holes formed through it, through which the water passes into the said tube to be pumped out. The plates C are further secured in place by one or more bands or hoops, D, as shown in Fig. 1.

The openings at the upper ends of the plates C should be closed with a cap or other suitable means. The diameter of the base of the point B should be a little greater than that of the filter above it, so that the filter may readily follow it.

With this construction the filter may be turned without any danger of the plates C being injured or knocked out of place by stones or coarse gravel.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The plates C, bent longitudinally into triangular form, placed side by side, and having their edges notched and soldered to the perforated tube A, in combination with the said perforated tube A and with the point B, substantially as herein shown and described.

MARTIN JOSEPH EICH.

Witnesses;
DAVID E. SNYDER,
JOHN V. CUSHMAN.